

Date: May 28, 2014

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE - PNO-I-14-002

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. Some of the information may not yet be fully verified or evaluated by the Region I staff.

Facility

Dominion Nuclear Connecticut, Inc.  
Millstone Power Station, Units 2 and 3  
Waterford, CT  
Docket Nos. 50-336, 50-423  
License Nos. DPR-65, NPF-49

Licensee Emergency Classification

☒ Notification of Unusual Event  
☐ Alert  
☐ Site Area Emergency  
☐ General Emergency  
☐ Not Applicable

SUBJECT: MILLSTONE POWER STATION UNITS 2 AND 3: UNUSUAL EVENT  
DECLARED DUE TO LOSS OF OFFSITE POWER AND DUAL REACTOR  
TRIPS

On May 25, 2014, at 7:02 a.m. EST, Millstone Power Station Unit 2 and 3 experienced a Dual Unit trip due to loss of off-site power (LOOP). At 07:15 a.m., Millstone declared a Notification of Unusual Event (NOUE) due to a LOOP. The LOOP was due to a localized issue in the Millstone switchyard and the surrounding areas were not affected by the power loss. The Region 1 Incident Response Center entered monitoring mode at 7:49 a.m. and exited at 3:02 p.m. on May 25, 2014. Dominion exited the NOUE at 2:14 p.m. on May 25, 2014. Both units are currently in a safe and stable condition.

Millstone Unit 2 responded normally. Unit 2 Emergency Diesel Generators (EDGs) started and supplied power to all safety buses and all safety systems responded as designed. Millstone Unit 3 experienced an unexpected loss of non-safety instrument air following the LOOP, which complicated the recovery actions. The normal reactor coolant system letdown flow path was not able to be established and this resulted in the rupture of the pressurizer relief tank rupture disk inside containment. The relief valve on the volume control tank lifted when restoring normal letdown. This caused the primary drains transfer tank to overflow into the auxiliary building. This overflow path was isolated, and the normal letdown was subsequently restored. Both Unit 3 EDGs started and supplied power to all safety buses and all safety systems responded as designed. Off-site power was restored as of 12:56 p.m. on May 25, 2014. The NRC residents responded to the site and continue to closely follow Dominion's actions. NRC oversight is being conducted through the NRC's baseline inspection program.

After evaluating the causes of the event and assessing equipment condition, Dominion restarted Unit 2 on May 27, 2014. Return to service of Unit 3 is pending additional evaluations and equipment repairs.

Region I Public Affairs Officers have responded to media inquiries. The Federal Emergency Management Agency (FEMA) and the State of Connecticut have been informed of the event and licensee response activities. The information presented herein has been discussed with Dominion and is current as of May 28, 2014, at 7:00 a.m.

This preliminary notification is issued for information only and no further notification by the staff is anticipated.

ADAMS Accession Number: ML14148A014

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Millstone Power Station

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